

CARBOHYDRATE RESEARCH, VOL. 182 (1988)

AUTHOR INDEX

- ABBAS, S. A., 290
ACQUOTTI, D., 31
ALBERSHEIM, P., 207
ANDERSSON, M., 111
ARNOTT, S., 1
- BARONE, G., 148
BASSI, R., 31
BHAVANANDAN, V. P., 135
BRASCH, D. J., 241
BRILLOUET, J.-M., 63
- CAPEK, P., 160
CATELANI, G., 297
CHANDRASEKARAN, R., 1
CHERNIAK, R., 227
CHŪJŌ, R., 41
COLONNA, F., 297
CYONG, J.-C., 259
- D'AMBRA, A. J., 53
DARVILL, A. G., 207
DAVIDSON, E. A., 135
DEA, I. C. M., 1
DUTTON, G. G. S., 127
- FERNANDEZ-MAYORALAS, A., 153
FRONZA, G., 31
FUKUSHI, Y., 313
- GLASER, R., 169
GRAY, G. R., 53
- HABUŠ, I., 179
HENRICHSEN, J., 111
HUBER, B., 301
- INOUE, M., 277
INOUE, Y., 41
- JAIN, R. K., 290
JANSSON, P.-E., 111, 166
JARAMILLO, C., 153
JONES, R. G., 227
JOSELEAU, J.-P., 63
- KARDOŠOVÁ, A., 160
KATSUKI, M., 277
KIRSCHNER, G., 31
- KIYOHARA, H., 259
KLEINE, H. P., 307
KNISKERN, P. J., 79
KOGA T., 277
KOHATA, K., 290
KUDO, N., 277
- LEDL, F., 301
LERNER, L. M., 287
LINDBERG, B., 111, 166
LINDQUIST, U., 111
LJEVAKOVIĆ, Đ., 197
- MAEDA, M., 313
MARRA, A., 297
MARTIN-LOMAS, M., 153
MATTA, K. L., 290
MATTIA, C. A., 148
MELTON, L. D., 241
MIHÁLOV, V., 160
MILLANE, R. P., 1
MOREAU, M., 79
MURALIKRISHNA, G., 119
- ONDA, M., 41
OTSURU, O., 313
OXLEY, D., 101
- PAROLIS, H., 127
PAROLIS, L. A. S., 127
PERLIN, A. S., 169
PERRY, M. B., 79
PFLEIDERER, G., 301
PULITI, R., 148
- RAMADAS BHAT, U., 119
RAZA, Z., 179
REDGWELL, R. J., 241
RICE, M. J., 53
RICHARDS, J. C., 79
ROŠÍK, J., 160
- SAULNIER, L., 63
SEVERIN, T., 301
SIDHU, R. S., 307
SŁODKI, M. E., 227
SNATZKE, G., 179
SOMOGYI, L., 19
SONNINO, S., 31

STANGL, A., 301
STEVENSON, T. T., 207
ŠUNJIĆ, V., 179

TADDEI-PETERS, W. C., 135
TAGLIAVACCA, L., 31
TAKAHASHI, Y., 41
THARANATHAN, R. N., 119
TOMAN, R., 160
TOMAŠIĆ, J., 197
TOMIĆ, S., 197

UHRÍN, D., 160

WIDMALM, G., 166
WILKINSON, S. G., 101

YAKUSHIJI, T., 277
YAMADA, H., 259
YAMAMOTO, Y., 41

ZELLER, S. G., 53

CARBOHYDRATE RESEARCH, VOL. 182 (1988)

SUBJECT INDEX

- 2-Acetamido-2-deoxy sugars, selective piraloxylation of, 197
- Acetonation of methyl β -maltoside with 2-methoxypropene, 153
- 3-Acetyl-2-(polyacetoxyalkyl)-5-phenyl-2,3-dihydro-1,3,4-oxadiazoles, stereochemical aspects of the formation of diastereoisomeric, 19
- α_1 -Acid glycoprotein, purification and partial characterization of glycoprotein closely related to, 135
- Angelica acutiloba* Kitagawa, structure and anti-complementary activity of pectic polysaccharides isolated from the root of, 259
- Application of high-resolution n.m.r. spectroscopy to the elucidation of the structure of the specific capsular polysaccharide of *Streptococcus pneumoniae* type 7F, 79
- Bryopsis maxima* cell wall, chemical structure of the D-xylan of, 313
- Carrageenan, kappa, molecular structure of, 1
- Cassia sericea*, heterogeneity and structural investigation of galactomannans isolated from the seeds of, 119
- Cell wall of *Bryopsis maxima*, chemical structure of the D-xylan of, 313
- Cell-wall polysaccharides of kiwifruit (*Actinidia deliciosa*): chemical features in different tissue zones of the fruit at harvest, 241
- Chemical features in different tissue zones of kiwifruit (*Actinidia deliciosa*) at harvest, 241
- Chiroptical properties of tetrahydropyran-3,4-diols and 2-hydroxymethyltetrahydropyran-3-ols derived from some aldoses, and enantioselectivity in reduction with their complexes, 179
- Crystal structure for 2-deoxy- β -D-arabino-hexose (2-deoxy- β -D-glucose), 148
- Cyclomalto-oligosaccharides, determination of the host-guest geometry in the inclusion complexes with *p*-nitrophenol in solutions of, 41
- 2-Deoxy- β -D-arabino-hexose (2-deoxy- β -D-glucose), crystal structure of, 148
- Determination of the host-guest geometry in the inclusion complexes of cyclomalto-oligosaccharides with *p*-nitrophenol in solution, 41
- Dianhydrides of oligosaccharides of the aldose type, formation of, during acid hydrolysis of the polysaccharides from the roots of the marsh mallow, 160
- Dilactone derivative of GD1a ganglioside, synthesis and structural characterization of the, 31
- Diastereoisomeric 3-acetyl-2-(polyacetoxyalkyl)-5-phenyl-2,3-dihydro-1,3,4-oxadiazoles, stereochemical aspects of the formation of, 19
- Endo-(1 \rightarrow 3)- α -D-glucanase, reduction of adherence of insoluble α -D-glucans of *Streptococcus sobrinus* by, 277
- Enantioselectivity in reduction with complexes of tetrahydropyran-3,4-diols and 2-hydroxymethyltetrahydropyran-3-ols derived from some aldoses, 179
- L-Erythrose, 2,3-*O*-isopropylidene, condensation into disaccharide of, 287
- Exopolysaccharide, from *Tremella mesenterica*, n.m.r.-spectral study of a glucuronomannan chemically derived from, 227
- Formation of 2-(2-furoyl)-4(5)-(2-furyl)-1*H* imidazole in the Maillard reaction, 301
- 2-(2-Furoyl)-4(5)-2-(2-furyl)-1*H*-imidazole, formation of, in the Maillard reaction, 301
- Galactomannans isolated from the seeds of *Cassia sericea*, heterogeneity and structural investigation of, 119
- Galactopyranosides, an improved preparation of 3,4-*O*-isopropylidene derivatives of α - and β -D-, 297
- Galactorhamnan from the O2 reference strain (C.D.C. 868-57) of *Serratia marcescens*, structural studies of an acidic, 101
- Ganglioside, synthesis and structural characterization of the dilactone derivative of GD1a, 31
- α -D-Glucan of *Streptococcus sobrinus*, insoluble, reduction by endo-(1 \rightarrow 3)- α -D-glucanase of adherence of, 277
- D-Glucitol, 4-*O*-acetyl-1,5-anhydrodi-*O*-ethyl-*O*-methyl-, the positional isomers of, synthesis and mass spectra of, 53
- D-Glucitol, 4-*O*-acetyl-1,5-anhydro-*O*-ethyldi-*O*-methyl-, the positional isomers of, synthesis and mass spectra of, 53

- D-Glucitol, 4-*O*-acetyl-1,5-anhydro-2,3,6-tri-*O*-ethyl-, synthesis and mass spectrum of, 53
- Glucuronomannan, chemically derived from a *Tremella mesenterica* exopolysaccharide, n.m.r.-spectral study of, 227
- Glycoprotein associated with malignancy, purification and characterization of, 135
- Grape berries, structural studies of pectic substances from the pulp of, 63
- Heterogeneity and structural investigation of galactomannans isolated from the seeds of *Cassia sericea*, 119
- Host-guest geometry in the inclusion complexes of cyclomalto-oligosaccharides with *p*-nitrophenol in solution, determination of the, 41
- Improved preparation of 3,4-*O*-isopropylidene derivatives of α - and β -D-galactopyranosides, 297
- Iota-carrageenan, comparison with kappa-carrageenan, 1
- Isopropylidene derivatives of α - and β -D-galactopyranosides, an improved preparation of 3,4-*O*-, 297
- 2,3-*O*-Isopropylidene- β -L-erythrofuransyl 2,3-*O*-isopropylidene- β -L-erythrofuransides, synthesis of, 287
- 2,3-*O*-Isopropylidene-L-erythrose, condensation into disaccharide of, 287
- Kappa-carrageenan, molecular structure and comparison with iota-carrageenan of, 1
- Kiwifruit (*Actinidia deliciosa*), chemical features in different tissue zones of, at harvest, 241
- Klebsiella* K14 polysaccharide, preparation of branched hexasaccharides by the action of a viral lyase on, 127
- Klebsiella* species, structural studies of an extracellular polysaccharide (S-53) elaborated by a, 166
- Lacto-N-triose 1 unit, synthesis of a tetra- and two pentasaccharides containing, 290
- Maillard reaction, formation of 2-(2-furoyl)-4(5)-(2-furyl)-1*H*-imidazole in the, 301
- Malignancy-associated glycoprotein, purification and partial characterization of, 135
- β -D-Mannopyranosides, aryl, synthesis of, 307
- Marsh mallow (*Althaea officinalis* L., var. Rhobusta), polysaccharides from the roots of the, 160
- 2-Methoxypropene, acetonation of methyl β -maltoside with, 153
- N*-Methyl-1-deoxynojirimycin, n.m.r. studies of, 169
- Methyl β -maltoside, acetonation of, with 2-methoxypropene, 153
- N.m.r. studies, ¹H- and ¹³C-, of *N*-methyl-1-deoxynojirimycin, 169
- Nojirimycin, *N*-methyl-1-deoxy-, n.m.r. studies of, 169
- Pectic polysaccharides isolated from the root of *Angelica acutiloba* Kitagawa, structure and anti-complementary activity of, 259
- Pectic substances from the pulp of grape berries, structural studies of, 63
- Pentasaccharides containing lacto-N-triose 1 unit, synthesis of, 290
- Pivaloylation of 2-acetamido-2-deoxy sugars, selective, 197
- Polysaccharide from *Streptococcus pneumoniae* type 2, a reinvestigation of the structure of the capsular, 111
- Polysaccharide of *Streptococcus pneumoniae* type 7F, application of high-resolution n.m.r. spectroscopy to the elucidation of the structure of the specific capsular, 79
- Polysaccharide (S-53) elaborated by a *Klebsiella* species, structural studies of an extracellular, 166
- Polysaccharides from the roots of the marsh mallow (*Althaea officinalis* L., var. Rhobusta): dianhydrides of oligosaccharides of the aldose type, 160
- Polysaccharides, type-specific, of *Cryptococcus neoformans*, 227
- Preparation of branched hexasaccharides by the action of a viral lyase on *Klebsiella* K14 polysaccharide, 127
- Rhamnogalacturonan-II, the plant cell-wall polysaccharide, structural features of, 207
- Selective pivaloylation of 2-acetamido-2-deoxy sugars, 197
- Serratia marcescens*, structural studies of an acidic galactorhamnan from the O2 reference strain (C.D.C. 868-57) of, 101
- Stereochemical aspects of the formation of diastereoisomeric 3-acetyl-2-(polyacetoxyalkyl)-5-phenyl-2,3-dihydro-1,3,4-oxadiazoles, 19
- Streptococcus pneumoniae* type 2, a reinvestigation of the structure of the capsular polysaccharide from, 111
- Streptococcus pneumoniae* type 7F, application of high-resolution n.m.r. spectroscopy to the elucidation of the structure of the specific capsular polysaccharide of, 79
- Streptococcus sobrinus*, reduction of adherence of insoluble α -D-glucan of, 277

- Structural features of the plant cell-wall polysaccharide rhamnogalacturonan-II, 207
- Structural studies of an acidic galactorhamnan from the O2 reference strain (C.D.C. 868-57) of *Serratia marcescens*, 101
- Structural studies of an extracellular polysaccharide, (S-53) elaborated by a *Klebsiella* species, 166
- Structural studies of pectic substances from the pulp of grape berries, 63
- Structural studies of the capsular polysaccharide from *Streptococcus pneumoniae* type 2, a re-investigation, 111
- Structure and anti-complementary activity of pectic polysaccharides isolated from the root of *Angelica acutiloba* Kitagawa, 259
- Synthesis and mass spectra of 4-*O*-acetyl-1,5-anhydro-2,3,6-tri-*O*-ethyl-D-glucitol and the positional isomers of 4-*O*-acetyl-1,5-anhydro-di-*O*-ethyl-*O*-methyl-D-glucitol and 4-*O*-acetyl-1,5-anhydro-*O*-ethyl-di-*O*-methyl-D-glucitol, 53
- Synthesis and structural characterization of the dilactone derivative of GD1a ganglioside, 31
- Synthesis of aryl β -D-mannopyranosides, 307
- Tetrahydropyran-3,4-diols and 2-hydroxymethyl-tetrahydropyran-3-ols derived from some aldoses, chiroptical properties of, and enantioselectivity in reduction with their complexes, 179
- Tetrasaccharide containing lacto-N-triose 1 unit, synthesis of, 290
- Type-specific polysaccharides of *Cryptococcus neoformans*. N.m.r.-spectral study of a glucuronomannan chemically derived from a *Tremella mesenterica* exopolysaccharide, 227
- Viral lyase, preparation of branched hexasaccharides by the action on *Klebsiella* K14 polysaccharide of a, 127
- D-Xylan of the cell wall of *Bryopsis maxima*, chemical structure of, 313